

DALY Product Selection Guide Collection

Power & Energy Storage BMS / Smart Accessories / Chargers



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Product Photo					 					
Model	H		K		M				S	
Type	R10H	R16H	R10K	R24K	R10M	R24M	R10M	R24M	R10S	R24S
Main application scenarios	Electric bicycle/Electric two-wheeler/ Electric wheelchair/Electric scooter/ Hoverboard/Portable power supply, etc.		Electric bicycles/Electric two-wheeler/ Electric tricycles/ Electric wheelchairs/AGV/Robots/Portable power supply /Lead to lithium/Battery swap, etc.		Aerial work vehicle/Ship energy storage/ATV/ Floor sweeper/RV energy storage/Tour car /Low speed vehicle/Golf cart/Forklift,etc.				Electric forklifts/RV energy storage/ Large sightseeing vehicles/ Low-speed scooters\Golf carts/ATV,etc.	
Battery type	Li-ion/LifePO4									
Strings	3~10S	11~16S	3~10S	11~24S	3~10S	11~24S	3~10S	11~24S	3~10S	11~24S
Current (standard product)	40A/60A		40A/60A/100A		150A		200A		250A/300A/400A/500A	
Size Data tolerance range ±0.5mm	48*75*14mm		65*123*14mm		66*164*21mm		66*164*21mm		108*183*26mm	
Packing size	150*100*35mm		150*100*35mm		260*158*45mm		260*158*45mm		380*185*60mm	
Weight range	110-120g		170-210g		340g-360g		340g-360g		600-700g	
Cable specifications	24AWG 300~450mm (The actual object shall prevail)		24AWG 300~450mm (The actual object shall prevail)		24AWG 300~450mm (The actual object shall prevail)		24AWG 300~450mm (The actual object shall prevail)		24AWG 300~450mm (The actual object shall prevail)	
NTC length	250mm		250mm		250mm		250mm		250mm	
High power precharge	10AWG		10AWG(40/60A) 7AWG(100A)		4AWG		4AWG		2AWG (250A) 4AWG*2(300A) 1AWG*2 (400A, 500A)	
High power precharge	No precharge function		With precharge function							
Parallel current limiting	No parallel current limiting function		Built-in parallel module							
Communication function	Basic model: • UART*1 Full-featured model: • UART*1 RS485/CAN		Basic model: • UART*2 Full-featured model: • UART*2 RS485/CAN							
Software function	APP/PC Software /IOT cloud platform									
Standard accessories	Basic model: NTC*1 (2way) Full-featured model: NTC*1 (2way), 485/CAN 5PIN cable*1									
Expandable accessories/functions	Bluetooth/Expandable 4-way NTC/WIFI module/3-inch display screen/4.3-inch display screen/Single-line display screen/Light board/Key switch/Heating module/Buzzer/GPS/External parallel module/Active balance module									



DALY | Mini-red BMS Selection Table (Hardware Version)



Product Photo					
Model	G	H	K	M	
Battery type	Li-ion/LifePO ₄	Li-ion/LifePO ₄	Li-ion/LifePO ₄	Li-ion/LifePO ₄	Li-ion/LifePO ₄
Main application scenarios	Electric bicycle/Electric two-wheeler/ Electric wheelchair/Electric scooter/ Hoverboard/Solar street lamp, etc.	Electric bicycle/Electric two-wheeler/ Electric wheelchair/Electric scooter/ Hoverboard/Portable power supply, etc.	Electric bicycles/Electric two-wheeler/ Electric tricycles/Electric wheelchairs/ AGV/Robots/Portable power supply/ Lead to lithium/Battery swap, etc.	Aerial work vehicle/Ship energy storage/ ATV/Floor sweeper/RV energy storage/ Tour car/Low speed vehicle/ Golf cart/Forklift,etc.	Aerial work vehicle/Ship energy storage/ ATV/Floor sweeper/RV energy storage/ Tour car/Low speed vehicle/ Golf cart/Forklift,etc.
Type	J13G3	J16H3	J24K3	J24M3	J24M3
Strings	3~13S	3~16S	3~24S	3~24S	3~24S
Current(standard product)	15A/20A	40A/60A	40A/60A/100A	150A	200A
Size Data tolerance range ±0.5mm	34*59*9mm	48*75*14mm	65*123*14mm	66*164*21mm	66*164*21mm
Weight range	60±35g	104±40g	240±60g	567±80g	567±80g
Cablespecifications	24AWG 300~450mm	24AWG 300~450mm (The actual object shall prevail)	24AWG 300~450mm (The actual object shall prevail)	24AWG 300~450mm (The actual object shall prevail)	24AWG 300~450mm (The actual object shall prevail)
NTC length	110mm	250mm	250mm	250mm	250mm
Standard function	NTC*1	NTC*1	NTC*1	NTC*1	NTC*1
Expandable functions (customized)	Soft Switch	Soft Switch	/	/	/
B-P-line selection suggestions	16AWG(15A) / 14AWG(20A)	10AWG	10AWG(40/60A)、7AWG(100A)	4AWG	4AWG



Mini-Red Smart BMS Selection Table

Product photo					
Model	AH	AK	AM	AS	D Series
Type	R08AH/R24AH	R08AK/R24AK	R08AM/R24AM	R08AS/R24AS	R32D
Current	40A/60A	80A/100A	150A/200A	250A/300A/400A	600A-800A
Compatible strings range	Default LiFePO4: 4~8S/7~17S/7~24S Li-ion: 4~7S/7~17S/7~20S LTO: 6~8S/11~17S/11~24S				
Application scenarios	Electric bicycles, Electric vehicles, Power banks, Hoverboards, Electric wheelchairs, Electric scooters, etc.	Electric Bicycles, Electric vehicles, Electric tricycles, Electric wheelchairs, AGV, Robots, Power banks, Lead-to-Lithium conversion, Battery leasing/swapping, etc.	Aerial platforms, Marine energy storage, ATVs, Cleaning vehicles, RV storage, Sightseeing cars, Low speed four wheel vehicles, Golf carts, Forklifts, etc.	Forklifts, RV storage, Large sightseeing Vehicles, Low speed four wheel vehicles, Golf carts, ATVs, etc.	Large Forklifts, Large Sightseeing Vehicles, etc.
Size (Data tolerance range ±0.5mm)	96*65*13.6mm	125*65*14mm	176.7*66*20.7mm	195.8*109.3*25.9mm	276.2*146*50mm
Weight range	140±10g	191g±10g	355g±10g(150A) / 368g±10g(200A)	672g±10g	3000g±100g
Cable specification NTC length	24AWG 550mm 250mm				
B-P-line	10AWG 130mm	7AWG 100mm	4AWG 150mm	2AWG*1 200mm(250A)/ 4AWG*2 200mm(300A)/ 1AWG*2 200mm(400A)	Subject to actual customization.
Advantage functions	Smart compatible strings,Built-in bluetooth、High-power pre-charge、PCB potting&moisture protection				
Parallel current limiting	Built-in parallel current limiting module, Up to 10PACKs in parallel				
Communication	Built-in Bluetooth UART*2+CAN+RS485				
Software features	APP/PC/IOT				
Standard accessories	NTC(2-way), B-P-Output cable, B+ line, Wiring cable, CAN/RS485 5-pin line				
Expandable accessories	WiFi module, 3" Display, 4.3" Display, Single-line display, Key light board, Key switch, Heating module, Buzzer, 4G positioning module, Active balancing module				

Sampling Cable, NTC (2-way), Key Switch, B+ Cable, Braking Resistor Screw, Button Cell Battery, Bluetooth Module

DALY Mini-Red Active Balancing BMS Selection Table

Photo											
Model	TC		TH		TK		TM		TS		
Continuous charge /discharge current	30A		40A	60A	80A	100A	150A	200A	250A	300A	400A
Size (Data tolerance range ±0.5mm)	Product: 96*52*14mm B-P-Line: 10AWG 130mm		Product: 126*67*14.5mm B-P-Line: 10AWG 130mm		Product: 170*67*15mm B-P-Line: 7AWG 100mm		Product: 177*66*16mm (150A) 177*66*21mm (200A) B-P - Line: 4AWG 150mm		Product: 196*109*26mm B-P-Line: 4AWG*2 200mm		Product: 196*109*26mm B-P-Line: 1AWG*2 200mm
Compatible battery string range	LiFePO ₄ 4S / Li-ion: 3S		Default LiFePO ₄ : 4~8S /7~17S/7~24S Li-ion: 4~7S /7~17S/7~20S LTO: 6~8S/11~17S/11~24S								
Active Balance Current	Peak 500mA		Peak 1000mA								
Bluetooth	Built-in bluetooth										
Mian application scenarios	Outdoor power stations, solar cameras, solar street lights, etc.		Electric bicycles, , self-balancing scooters, electric wheelchairs, electric tricycles, AGVs, battery rental & swapping, electric forklift,etc.								
Function	Precharge function Disconnection protection wrong-line protection										
Parallel current limiting	Built-in parallel module										
Communication	UART+RS485		UART+RS485+CAN								
Parallel current limiting	Integrated parallel module										
Software function	APP/PC/IOT										
Sampling cable& NTC	Sampling cable specifications: 24AWG 300mm (TC) / 24AWG 550mm(TH、TK、TM、TS) NTC Length:250mm										
Standard Packing list	① Sampling cables *1 ② B+ line *1 ③ NTC (2-way) ④ User manual *1 ⑤ Bluetooth APP sticker* 2 ⑥ Packaging box *1						① P-&B-line *2 ② Screws *2 ③ Sampling cables *1 ④ B+ line *1 ⑤ NTC (2-way) ⑥ User manual *1 ⑦ Bluetooth APP sticker* 2 ⑧ Packaging box *1				
Expandable accessories /functions	UART/RS485 line/WiFi module/3-inch display screen/4.3-inch display screen/Light board/Key switch/Buzzer/Heating module/4G positioning module/CAN box (excl. TC)										



DALY High voltage BMS Selection Table

Image			
Model	R48U	R48W	R48ND
String range	33~48S		
Current range	60A	100A	200A
Battery Type	Li-ion/LiFePO4/LTO		
Application	SME Energy Storage, Forklifts, Diving Equipment, etc.		
Size (Data tolerance range $\pm 0.5\text{mm}$)	212*95*20mm	221*130*32mm	257*130*52mm
Weight range	900-1000g	1500-1600g	2600-2800g
Cable	22AWG(Subject to the actual product)		
NTC Length	250mm		
B-P-Line	6AWG	2AWG	2AWG
High-power pre-charge	With pre-charge function		
Parallel current limiting	No parallel current limiting		
Communication	UART+RS485+CAN		
Software Features	APP/PC/IOT		
Expandable Accessories/Functions	Bluetooth, expandable 4-way NTC, WIFI module, 3-inch display, 4,3-inch display, single-line display, key light board, key switch, heating module, buzzer, GPS, external parallel module, active balance module		



DALY Home Energy Storage BMS Selection Table

Photo	 4th Gen-LK BMS	 4th Gen-LM BMS
Rated Current	100A/120A (Customizable)	150A/200A
Battery Type	Li-ion/LiFePO4	Li-ion/LiFePO4
Series Range	8S-16S	8S-16S
Passive balancing	150mA	150mA
Active balancing	Supports optional 1A	Supports optional 2A
Parallel Current Limiting	Peak 10A (Continuous 2A)	Peak 10A (Continuous 3A)
Mainstream Inverters	✓	✓
Bluetooth	Optional	Optional
WiFi	Optional	Optional
Heating Module	Optional	Optional
Dry Contact	Optional	Optional
Key Switch	Optional	Optional
UART	✓	✓
RS485	✓	✓
RS232	Optional	Optional
CAN	✓	✓
APP	✓	✓
PC	✓	✓
IOT	✓	✓
Integrated Type Dimension	230*110*24.5mm	320*110*27.7mm
Split Type Dimension	Mainboard: 230*110*25mm Interface board: : 155*30*25mm	Mainboard: 320*110*24.5mm Interface board: 150*30*25mm
Expandable display screen	3.5-inch TFT color high-definition screen 4.3-inch IPS high-definition capacitive touchscreen	3.5-inch TFT color high-definition screen 4.3-inch IPS high-definition capacitive touchscreen



HOME ENERGY STORAGE BMS 4th Gen

8-16S | 100A-200A | Li-ion/LiFePO₄ | Integrated/Split

-  10A Parallel Expansion
-  2A Active Balancing Optional
-  APP/IOT Remote Management



DALY Display Screen Selection Table

Image											
Name	7-inch Touch Screen	4.3-inch Touch Screen	3-inch Display Screen (Handle Version)	3-inch Display Screen (Bracket Version)	3-inch Display Screen (Clip Version)	1.6-inch display (Clip Version)	3.5-inch color HD screen	Software Square Light Board	Hardware Square Light Board	Circular Power Indicator Light Board	Single-line Display Screen
Display Content	Display SOC, current, voltage, temperature, charge/discharge status, Fault Codes, Charge/Discharge Status, and Parallel Summary Data; Parameters can be set	Display SOC, current, voltage, temperature, charge/discharge status, Fault Codes, Charge/Discharge Status, and Parallel Summary Data; Parameters can be set	Display fault codes, SOC, voltage, current, temperature, charge/discharge status		Display SOC, current, voltage, temperature, charge/discharge status	SOC, Battery Bars, Voltage, Current, Temperature, Charge/Discharge Status, Alarm Alerts, etc.	Real-time viewing of single PACK data (current, voltage, SOC, power) and PACK parallel summary data	4-segment power display	4-segment high brightness digital tube display	SOC, voltage	SOC, voltage, current, battery capacity
Application	PACK Direct installation	PACK Direct installation	Handle version: Installed on a two-wheeled vehicle's handlebars	Bracket version: Installed on a three- or four-wheeled vehicle's dashboard	PACK Direct installation	PACK Direct installation	PACK Direct installation (Only compatible with 4thGen home energy storage BMS)	PACK Direct installation	PACK Direct installation	PACK Direct installation	PACK Direct installation
Activation	Touch activation/ Communication activation	Touch activation/ Communication activation	Short press button to activate		Short press button to activate	Short press button to activate	Short press button to activate	Short press button to activate	Short press button to activate	Short press button to activate	Short press button to activate
Screen Off Mode/ Sleep Mode	Enters sleep mode after 3600s by default (duration configurable) / Screen off with BMS	Enters sleep mode after 3600s by default (duration configurable) / Screen off with BMS	No discharge current, no button operation, during charging screen off after 10s; When the screen is on, pressing a button turns off the screen; Screen off with BMS		Long press the button for 5s in constant-on mode / Screen off with BMS	In Always-On mode, long-press the button for 5s to turn off the screen / Screen off with BMS	1min no button operation, auto-sleep	Long press for sleep / Screen off with BMS	Long press for 3s to delay the display for 10s, then immediately sleep	Long press for sleep / Screen off with BMS	Long-press for 3s to enable Auto-off; screen turns off after 30s / Screen off with BMS
Size	181x108x9.20mm	139.8x97.8x22.2mm	90x50x13mm		93x52x18mm	62x39x15.5mm	111x70x6.5mm	66.8x36.8x12.6mm	66.8x36.8x12.6mm	49.64x54x13.6mm	61.3x33.3x13.8mm
Communication	UART	Comm 1: UART Comm 2: RS485 (custom)	Comm 1: UART Comm 2: RS485 (custom)		UART/RS485	UART/RS485	UART	UART	/	UART	UART
Cable Length	UART cable 45cm (length can be extended)	UART cable 45cm RS485 cable 45cm (length can be extended)	UART cable 50cm+Screen cable 3M (with aviation plug) RS485 cable 50cm+Screen cable 3M (with aviation plug) (length can be extended)		UART cable 45cm RS485 cable 45cm (length can be extended)	UART cable 45cm RS485 cable 45cm (length can be extended)	UART cable 45cm (length can be extended)	UART cable 45cm (length can be extended)	2pin soft silicone cable 32cm (length can be extended)	UART cable 45cm (length can be extended)	UART cable 50cm (length can be extended)
Operating voltage	5-12V	5-15V	12V		6V-12V	12V	12V	12V	12V-72V	12V	12V



3-inch Bluetooth Screen Selection Table

Image		
Version	Handle Version	Bracket Version
Application	For two-wheel vehicle & aerial work platform	For three-/four-wheel vehicle, mounted on center console
Advantages	Voice broadcast, built-in battery, Type-c port charging, moisture-proof, dust-proof and shock-resistant, compact and portable	
Display Content	SOC, battery level, fault code, voltage, current, temperature, bluetooth communication, voice icon	
Voice broadcast	Low battery, high temperature, low temperature, overcurrent, low battery on the display, etc.	
Bluetooth connection	Connect via the DALY APP	
Button functions	①Re-pair Bluetooth (Press 3 times) ; ②Switch on and off (One click) ; ③Power on and off (Long press for 3s)	
Sleep Mode	BMS works but there is no continuous discharge current and no vibration. The display goes into sleep mode after 60s; Sleep time can be set through APP.	
Dimension (Data tolerance range $\pm 0.5\text{mm}$)	86 x 66 x 19mm	
Screen size (Data tolerance range $\pm 0.5\text{mm}$)	31.4 x 63.4mm	
Operating voltage	3.7V	
Weight	130g	137g

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BMS/Smart Accessories/ Chargers for the Indian Markets.**

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